SERVICE MANUAL

INTEGRATED STEREO AMPLIFIER

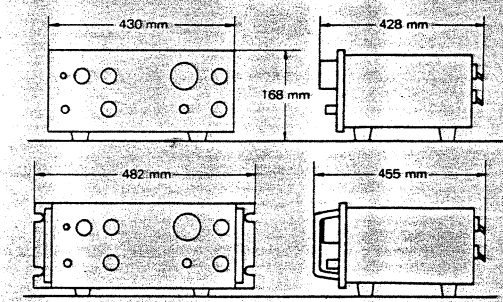
SANSUI AU-819

Sansui

SANSUI ELECTRIC CO., LTD.

SPECIFICATIONS

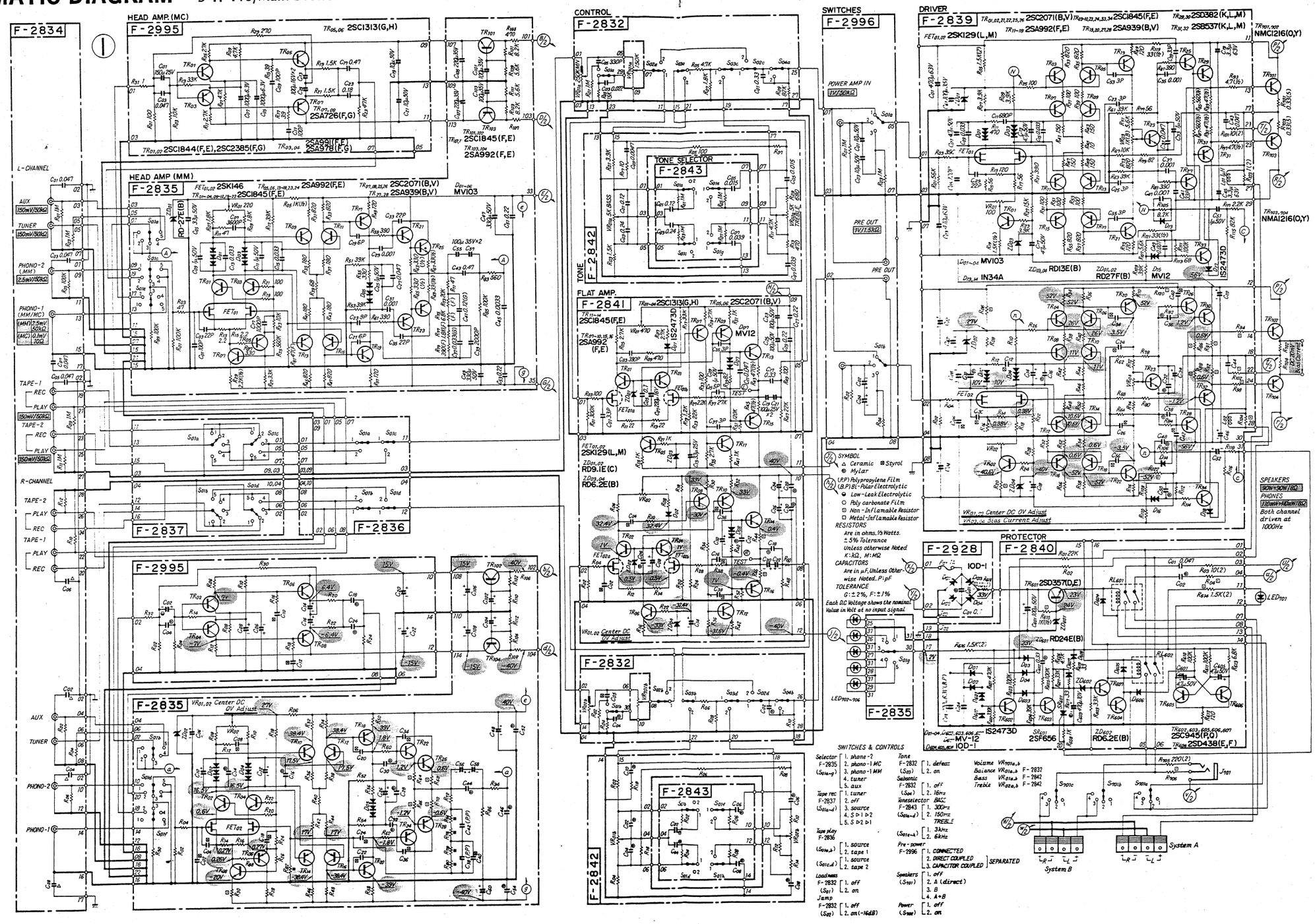
Power output
Min. RMS, both channels driven, from 10 to 20,000 Hz, with no more than 0.008 % total harmonic distortion
90 watts per channel into 8 ohms
Load impedance ..... 8 ohms
Total harmonic distortion (POWER AMP IN)
..... less than 0.008 % at or below rated min. RMS power output
Intermodulation distortion (70 Hz : 7 kHz = 4:1 SMPTE method)
..... less than 0.008 % at or below rated min. RMS power output
Rise time ..... 0.5 μsec
Slew rate ..... ±200V/μsec
Frequency response (at 1 watt) (POWER AMP IN)
..... DC to 500,000 Hz +0 dB −3 dB
Damping factor (1 kHz, both channels driven)
..... 100 into 8 ohms
RIAA curve deviation (PHONO, 20 Hz to 20 kHz)
..... +0.2 dB, −0.2 dB
Input sensitivity and impedance (1 kHz, for rated power output)
PHONO-1 (MC) ... 0.1 mV/10 ohms
(Max. input capability; 30 mV at 1 kHz, less than 0.03 % total harmonic distortion)
PHONO-1, 2 (MM) ... 2.5 mV/47 kilohms
(Max. input capability; 350 mV at 1 kHz, less than 0.01 % total harmonic distortion)
AUX, TUNER, TAPE PLAY
..... 150 mV/47 kilohms
POWER AMP IN ... 1 V/47 kilohms
Output level and impedance (1,000 Hz)
TAPE REC ..... 150 mV into 47 kilohms/600 ohms
PREAMP OUT ... 1 V into 47 kilohms/1.5 kilohms
Channel separation (1 kHz, at rated power output)
PHONO-1 (MC) ... 70 dB
PHONO-1, 2 (MM) ... 70 dB
AUX, TUNER, TAPE PLAY
..... 80 dB
Hum and noise (short-circuit, A-network)
PHONO-1 (MC) ... 74 dB
PHONO-1, 2 (MM) ... 90 dB
AUX, TUNER, TAPE PLAY
..... 100 dB
Controls
BASS ..... ±6 dB (50 Hz)
Tone selector ... 150 Hz, 300 Hz
TREBLE ..... ±6 dB (15 kHz)
Tone selector ... 3 kHz, 6 kHz
SUBSONIC ..... −3 dB (16 Hz), 6 dB/oct
LOUDNESS (−30 dB)
..... 10 dB at 50 Hz
4 dB at 10 kHz
Power requirements
Power voltage ... 100, 120, 220, 240 V (50/60 Hz)
Power consumption
Rated consumption
..... 465 watts
Dimensions ..... 430 mm (16-15/16") W
168 mm (6-5/8") H
428 mm (16-7/8") D
Weight ..... 21.1 kg (46.5 lbs) net
22.9 kg (50.5 lbs) packed



* Design and specifications subject to changes without notice for improvements.
* In order to simplify the explanation illustrations may sometimes differ from the originals.

5. SCHEMATIC DIAGRAM

5-1. Pre/Main Section



5-2. Power Supply Section